

REMARKS

In accordance with the foregoing, claims 1, 5-7, 12-22 and 24-25 have been amended. Claim 4 has been cancelled without prejudice to or disclaimer of the subject matter recited therein and is incorporated into independent claim 1. Claims 1-3 and 5-26 are pending and under consideration.

Initially, applicant acknowledges with appreciation the Examiner's indication of allowable subject matter in claims 4-7, 9 and 17. Claim 17 has been recast in independent form and is believed allowable.

I. CLAIM OBJECTIONS.

Claims 14-17 and 21 have been amended taking the Examiner's comments into account. Specifically, each of these claims should have been dependent on claim 13, rather than claim 12.

Further, claim 22 has been amended to define the acronym "DSS."

In view of the above, it is respectfully submitted that the objection to claims 14-17 and 21-22 is overcome.

II. REJECTION UNDER 35 USC §112.

Claims 4-7, 9 and 20 stand rejected under 35 USC §112, second paragraph, as being indefinite.

Claim 4 has been cancelled, and the recitations therein incorporated into independent claim 1. The recitation of "the divided data" was amended to read -- the audio/video data and the supplemental data--, which has proper antecedent support.

Claim 20 has been amended taking the Examiner's comments into account. Accordingly, claim 20, as amended, depends from claim 16 rather than claim 15.

It is respectfully submitted that the rejection is traversed.

III. REJECTION UNDER 35 USC §102

Claims 1-3, 10, 12-16, 18-20 and 22-26 stand rejected under 35 USC §102(e) as being anticipated by Movshovich et al. (US Pat. No. 6,434,170, "Movshovich et al.").

Claim 1, as amended, recites, inter alia, "a packet identification (PID) filter unit extracting

only packets of data having designated PIDs among the TS data selected in the TS input switch unit, and outputting the extracted packets as program data; a descrambler unit descrambling selectively the program data output from the PID filter unit; a first external output interface unit selecting the desired program data from one of the program data provided by the PID filter unit and program data provided by the descrambler unit and outputting the select-ed program data; a second external output interface unit grouping the program data, which is provided by the descrambler unit, into audio/video data and supplemental data, to process the audio/video data and the supplemental data, and outputting the audio/video data and the supplemental data." This amendment incorporates the recitations of dependent claim 4, which was indicated as containing allowable subject matter by the Examiner.

Accordingly, it is respectfully submitted that the rejection of independent claim 1 is overcome. Additionally, claims 2-3 and 5-12 are allowable for at least their dependency, either directly or indirectly from independent claim 1.

Movshovich et al. discloses adding a local header to a transport packet as part of a demultiplexing process. The transport stream to be demultiplexed is provided on serial, parallel or IEEE-1394 standard interfaces. However, only a single one of the provided transport stream inputs is output to the packet framer 302 according to a control signal. (See Movshovich et al. col. 7, lines 5-17, and FIG. 3). Thus, Movshovich et al. does not teach or suggest that two transport streams having different structures may be processed simultaneously. Rather, Movshovich et al. discloses that a transport stream of one structure may be processed and then that a transport stream of another structure may be processed.

In contrast, claim 13 (as amended herein) recites, inter alia, "selecting a first transport stream data to be processed among the plural transport streams; selecting a second transport stream data, having a different structure than the first transport stream data, among the plural transport streams; extracting first packets of data having designated packet identification among the selected first transport stream data and second packets of data having designated packet identification among the selected second transport stream data; modifying the extracted first and second packets as first and second program data, respectively."

Claim 22 recites, inter alia, "simultaneously processing the DSS transport stream and the MPEG-2 transport stream."

Claim 24, as amended, recites "selecting first transport stream data having a first structure and second transport stream data having a second structure to be processed among the plurality of transport streams of data; extracting first packets of data having designated

packet identification among the selected first transport stream data and extracting second packets of data having designated packet identification among the selected second transport stream data, and modifying the extracted first and second packets as first program data and second program data; descrambling a portion of the modified first and second program data; and displaying the first program data selected by a user while simultaneously transmitting the second program data over an IEEE1394 bus."

Claim 25, as amended, recites "[a] method of processing plural transport streams of data having different structures comprising: simultaneously inputting the plural transport streams of data; simultaneously demultiplexing a first and a second of the transport streams of data; and storing the first and the second of the transport streams of data or transmitting the first and the second transport streams of data over an IEEE1394 bus or a PCI bus."

Thus, Movshovich et al. does not teach or suggest that two transport streams having different structures may be processed simultaneously. Accordingly, it is respectfully submitted that the rejection of claims 13, 22, 24 and 25 is overcome. Additionally, claims 14-16, 18-20 and 23 are believed allowable at least for their dependence upon allowable independent claim 13, and claim 26 is believed allowable at least for its dependence upon allowable independent claim 24.

IV. REJECTION UNDER 35 USC §103

Claims 8, 11 and 21 stand rejected under 35 USC §103 as being obvious over Movshovich et al. (US Pat. No. 6,434,170, "Movshovich et al.").

Claims 8, 11 and 21 are allowable at least based upon their dependence from allowable independent claims 1 and 13.

Furthermore, it is respectfully submitted that a prima facie case of obviousness has not been established since the Examiner's assertion, without support in the cited references, that scrambling data for external transmission is obvious is a conclusion and without any other evidence provided, is insufficient to establish obviousness.

Accordingly, it is respectfully submitted that the rejection of claims 8, 11 and 21 is overcome.

V. CONCLUSION

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Serial No. 09/840,148

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: 10/28/2004

By: Steven W. Crabb
Steven W. Crabb
Registration No. 46,092

1201 New York Avenue, NW, Suite 700
Washington, D.C. 20005
Telephone: (202) 434-1500
Facsimile: (202) 434-1501